CABF-H1-DUAL

Automated solution for highspeed flashing in industrial production.

CABF-H1-DUAL

Overview

**The CABF-H1-DUAL represents our innovative solution for mechanical adaption to PCB with low space required in industrial production.
The unit of fully automated drawer and downholder device in combination with active fixture is called „production nest“.
One CABF-Module contains two „production nests“ which operate seperately. PCBs can be placed inside the nests by a robot or manually.**

Applications

- **Fully automated flashsystem**
- **Fully automated testsystem**
- **Industrial applications**

Fixtures

- **Fixture dimensions (mm): L x W x H: ca. 372 x 194 x 112**
- **Usable area (mm): L x W: 335 x 165**
- **Maximum amount of fixture communication pins: 32**
- **optional module: scratch marker, barcode scanner, PCB detection**
- **Fast inhouse design and production of the required fixtures**
- **GearHead concept implemented (see: Datasheet Galep5 ICSP)**
- **Fast-Change-System: replace fixtures within seconds**

Technical Data

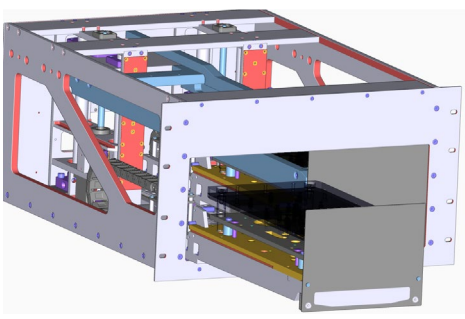
- **Dimensions (mm): L x W x H: ca. 730 x 490 x 265**
- **Weight ca. 35kg**
- **Slider travel: 387mm**
- **Maximum payload: 2,7kg**
- **Travel speed horizontal: 191 mm/s**
- **Travel speed vertical: 56 mm/s**
- **Minimum cycle length: 8s**
- **Positionierungsgenauigkeit (mm): 0,1**

Electrical Data:

- **Input: 24V DC and 36V DC**
- **Power consumption: max. 200W**
- **Motortype: Stepper Motor**

Components

- **DVC2,**
- **PSU 24-200**
- **PSU 36-200**
- **RPSU 3624-200**
- **Galep5 ICSP (programming device)**
- **Software API (TCP socket based)**
- **GalepX integration for automated flashing**



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CONITEC DATENSYSTEME

Components

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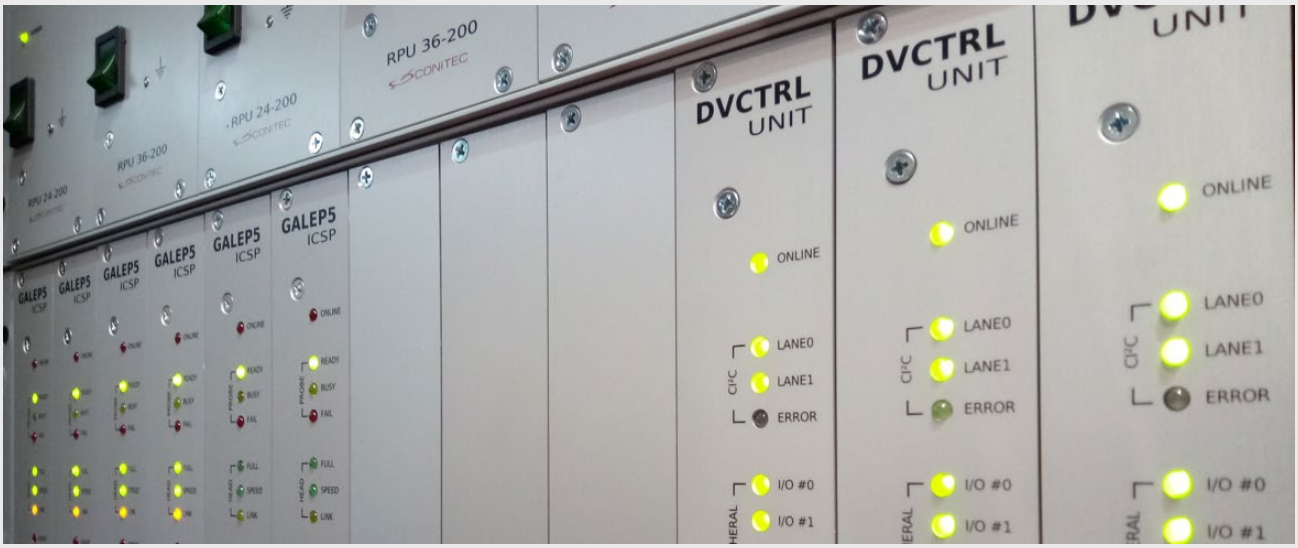

Galep5 ICSP

**Our modular Galep5 ICSP programming system consists of two parts: The 19“ plug-in unit Galep5 ICSP and an additional programming head „GearHead“.
Due to this separation of universal programmer and GearHead we can realize cable length up to 25m.
In this setup the GeaHead is placed close to target (e.g. inside the Fixture).
Our GalepX Production Software controls a user-defined amount of flashchannels.**

Device Control Unit 2

- **Control unit for industrial applications**
- **2 x CAN^2C**
- **Stable BUS-Interface for long cable length**
- **Scalable BUS-system**
- **Embedded systems for self sufficient control**
- **4 x switching outputs**
- **4 x DC-isolated Inputs**
- **codable: maximum 64 DVC2 per LAN**

Rack Power Unit 24V/36V DC

**Our combined power supply unit 24V/36V DC contains 2 x 24V DC outputs and 2 x 36V DC outputs.
It is capable of supplying two programmers, one device control and one CABF-H1-DUAL.
We provide fast integration and comfortable service due to 19“-inch rack design .**

System & Service

**A 19“-inch rack pc with a linux system is used. The required software (GalepX production and Controller Software) is installed by conitec engineers.
To operate a CABF-module for flashing purpose two Galep5ICSP, one DVC2 and a power supply unit are required.**

.To place the system into operation we provide workshops and a huge amount of service and training documents.

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